CLAIMS

In the claims:

1.   An image processing system that performs edge-enhancement on an image having varying characteristics, the image processing system comprising:

an image classifier that identifies the image as being at least one of a first image type and a second image type using at least one of the varying characteristics of the image; and

a processing circuit that, upon identification of the at least one of the varying characteristics of the image, selectively applies a first threshold or a second to the image.

2.   The image processing system of claim 1, further comprising a white edge detector.

3.   The image processing system of claim 1, wherein the image classifier further comprises an image filter that is applied to at least a portion of the image.

4.   The image processing system of claim 1, wherein the at least one of the varying characteristics is a substantially text-like characteristic.

5.   The image processing system of claim 1, wherein the first image type is a photo image type.

6.   The image processing system of claim 1, wherein the first threshold is a substantially dynamic threshold.

7.   The image processing system of claim 1, wherein the first threshold is a substantially constant threshold.

8.   The image processing system of claim 1, wherein the at least one of the varying characteristics is a pixel characteristic determined using at least one additional pixel characteristic from at least one additional pixel.

9.   The image processing system of claim 1, wherein the at least one of the varying characteristics is a pixel intensity.

10.   An image processing system that performs edge-enhancement on an image having varying characteristics, the image processing system comprising:

an image classifier that identifies the image as being at least one of a first image type and a second image type using at least one of the varying characteristics of the image, the image classifier comprising an image filter that is applied to at least a portion of the image; and

a processing circuit that, upon identification of the at least one of the varying characteristics of the image, selectively applies a first threshold or a second threshold to the image, the processing circuit performs edge detection.

11.   The image processing system of claim 10, wherein the first threshold is a substantially dynamic threshold.

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12. The image processing system of claim 10, wherein the first threshold is a substantially constant threshold.

13. The image processing system of claim 10, wherein the edge detector is a white edge detector.

14. The image processing system of claim 10, wherein the at least one of the varying characteristics is a pixel characteristic determined using at least one additional pixel characteristic from at least one additional pixel.

15. The image processing system of claim 10, wherein the at least one of the varying characteristics is a pixel intensity.

16. An image processing method used to perform edge-enhancement to an image having varying characteristics, the method comprising:

classifying the image as being at least one of a first image type and a second image type using at least one of the varying characteristics of the image; and

selecting and applying a first threshold or a second threshold upon identification of at least one of the varying characteristics of the image.

17. The method of claim 16, further comprising filtering at least a portion on the image.

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18.   The method of claim 16, wherein the first threshold is a substantially dynamic threshold.

19.   The of claim 16, wherein the first threshold is a substantially constant threshold.

20.   The method of claim 16, wherein the at least one of the varying characteristics is a pixel characteristic determined using at least one additional pixel characteristic from at least one additional pixel.

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